CDF Farms Report

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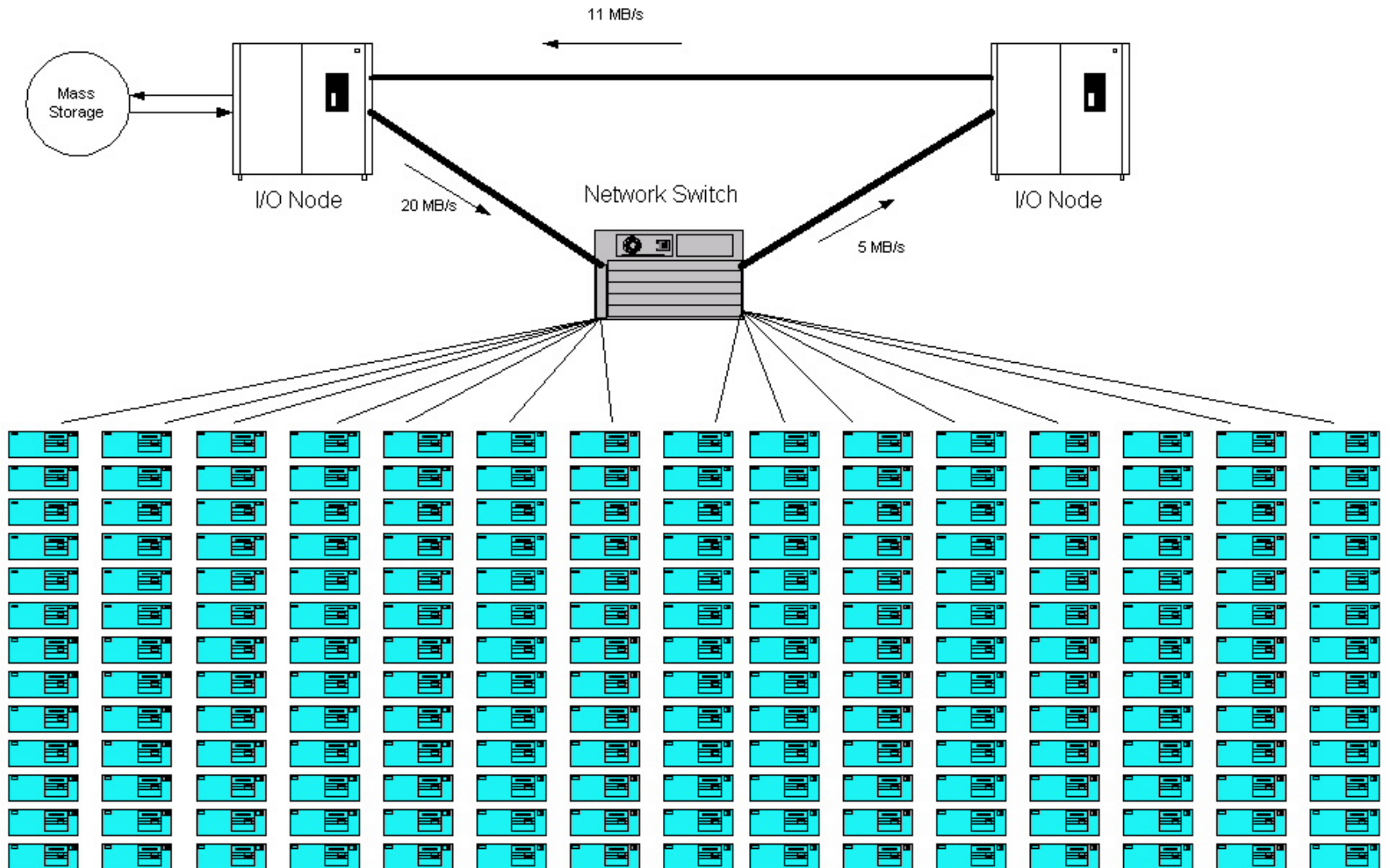
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CDF Farms Work

- **Trying to finish split/concatenation for MDC1.**
  - **New tcl file from Kirsten (thanks!)**
  - **Will work towards getting this completely finished and out of the way.**

- **Farm Software Work**
  - **Discussions of modifications/design changes based on MDC1 experiences.**
  - **Coding and modifications are being made.**

Integration of 50 New PCs and the new I/O Node

- **New I/O node (SGI 2200) is here and will be installed soon.**
  - **Still waiting for the disk to arrive, though.**
- **Plan to integrate with the 50 PCs is ready.**
  - **Will start with 10 nodes and make sure it works and then move to 50.**
- **Will work on moving to the new system as soon as possible in preparation for MDC2.**

Run II CDF PC Farm

11 MB/s

Mass Storage

I/O Node

20 MB/s

Network Switch

I/O Node

5 MB/s

Other

- **Tony Chan has left for Brookhaven.**
- **Ping Yeh will be here at Fermilab next week.**
  - **Ping will return in April and May.**
- **Working on :**
  - **MOU with CD and CDF.**
  - **Schedules and milestones/wbs.**
- **MDC2**
  - **Would like to discuss event rates, data rates, Monte Carlo generation, etc.**

Other

- **Split/concatenate strategy:**
  - **Will try to split after reconstruction on the worker node.**
  - **Transfer split files (and inclusive file) to I/O node.**
  - **Concatenate on I/O node.**
  - **This allows us to use the CPU available on the worker node for the split and it scales automatically with the number of worker nodes.**
  - **Will study this to see how it works.**